User's Manual

FlexScan®
S1701
S1721
S1731
S1901
S1911
S1921
S1931

Color LCD Monitor

Important

Please read this User's Manual, Setup Manual (separate volume) and Specifications Sheet carefully to familiarize yourself with safe and effective usage.

PRECAUTIONS

Chapter 1 Features and Overview

1-1 Features
1-2 Buttons and Indicators
1-3 Functions and Basic Operation

Chapter 2 Settings and Adjustments

2-1 Utility Disk
2-2 Screen Adjustment
2-3 Color Adjustment
2-4 Off Timer Settings
2-5 Power Indicator/EIZO Logo Display Setting
2-6 Locking Buttons
2-7 Setting Adjustment menu Display
2-8 Viewing Information/Setting Language
2-9 Setting BrightRegulator
2-10 Resumption of Default Setting

Chapter 3 Connecting Cables

3-1 Connecting Two PCs to the Monitor

Chapter 4 Troubleshooting

Chapter 5 Reference

5-1 Attaching an Arm (Option)
5-2 Power Saving Mode
5-3 Cleaning
5-4 Glossary
5-5 Preset Timing

How to Setup
Please read the Setup Manual (separate volume)

Specifications
Please read the Specifications Sheet on the CD-ROM.

EIZO®

SAFETY SYMBOLS

This manual uses the safety symbols below. They denote critical information. Please read them carefully.

WARNING Failure to abide by the information in a WARNING may result in serious injury and can be life threatening.	**CAUTION** Failure to abide by the information in a CAUTION may result in moderate injury and/or property or product damage.
Indicates a prohibited action.	
Indicates a mandatory action that must be followed.	

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As an ENERGY STAR® Partner, EIZO NANAO CORPORATION has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

ENERGY STAR

Product specification may vary with sales areas.
Confirm the specification in the manual written in language of the region of purchase.

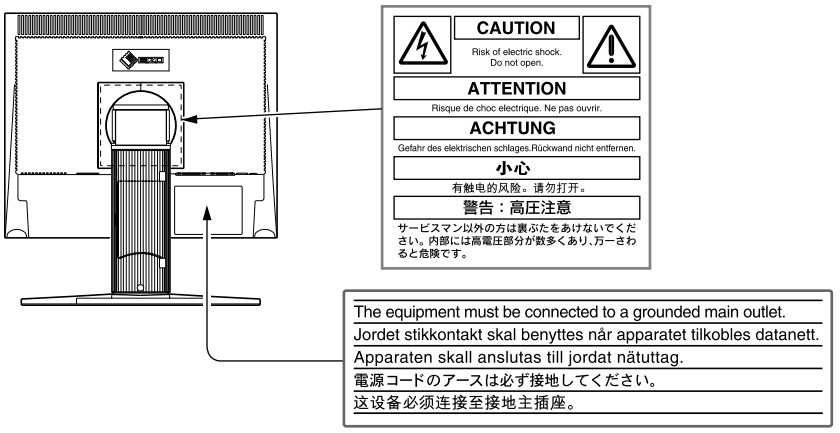
⚠PRECAUTIONS

IMPORTANT

- This product has been adjusted specifically for use in the region to which it was originally shipped. If the product is used outside the region, it may not operate as specified in the specifications.
- To ensure personal safety and proper maintenance, please read carefully this section and the caution statements on the monitor.

[Location of Caution Statement]

(Example of height adjustment stand)



⚠WARNING

If the unit begins to emit smoke, smells like something is burning, or makes strange noises, disconnect all power connections immediately and contact your dealer for advice.

Attempting to use a malfunctioning unit may result in fire, electric shock, or equipment damage.

Do not open the cabinet or modify the unit.

Opening the cabinet or modifying the unit may result in fire, electric shock, or burn.

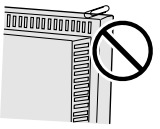
Refer all servicing to qualified service personnel.

Do not attempt to service this product yourself as opening or removing covers may result in fire, electric shock, or equipment damage.

Keep small objects or liquids away from the unit.

Small objects accidentally falling through the ventilation slots into the cabinet or spillage into the cabinet may result in fire, electric shock, or equipment damage.

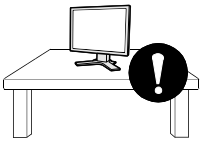
If an object or liquid falls/spills into the cabinet, unplug the unit immediately. Have the unit checked by a qualified service engineer before using it again.



⚠ WARNING

Place the unit at the strong and stable place.

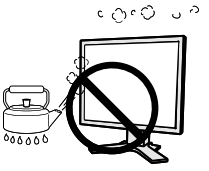
A unit placed on an inadequate surface may fall and result in injury or equipment damage. If the unit falls, disconnect the power immediately and ask your dealer for advice. Do not continue using a damaged unit. Using a damaged unit may result in fire or electric shock.



Set the unit in an appropriate location.

Not doing so may result in fire, electric shock, or equipment damage.

- Do not place outdoors.
- Do not place in the transportation system (ship, aircraft, trains, automobiles, etc.)
- Do not place in a dusty or humid environment.
- Do not place in a location where the steam comes directly on the screen.
- Do not place near heat generating devices or a humidifier.



To avoid danger of suffocation, keep the plastic packing bags away from babies and children.

Use the enclosed power cord and connect to the standard power outlet of your country.

Be sure to remain within the rated voltage of the power cord.
Not doing so may result in fire or electric shock.

To disconnect the power cord, grasp the plug firmly and pull.

Tugging on the cord may damage and result in fire or electric shock.

The equipment must be connected to a grounded main outlet.

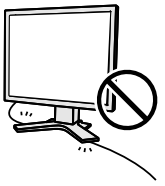
Failure to do so may result in fire or electric shock.

Use the correct voltage.

- The unit is designed for use with a specific voltage only. Connection to another voltage than specified in this User's Manual may cause fire, electric shock, or equipment damage.
- Do not overload your power circuit, as this may result in fire or electric shock.

⚠ WARNING

Handle the power cord with care.



- Do not place the cord underneath the unit or other heavy objects.
- Do not pull on or tie the cord.

If the power cord becomes damaged, stop using it. Use of a damaged cord may result in fire or electric shock.

Never touch the plug and power cord if it begins to thunder.

Touching them may result in electric shock.

When attaching an arm stand, please refer to the user's manual of the arm stand and install the unit securely.

Not doing so may cause the unit to become unattached, which may result in injury or equipment damage. When the unit is dropped, please ask your dealer for advice. Do not continue using a damaged unit. Using a damaged unit may result in fire or electric shock. When reattaching the tilt stand, please use the same screws and tighten them securely.

Do not touch a damaged LCD panel directly with bare hands.

The liquid crystal that may leak from the panel is poisonous if it enters the eyes or mouth. If any part of the skin or body comes in direct contact with the panel, please wash thoroughly. If some physical symptoms result, please consult your doctor.

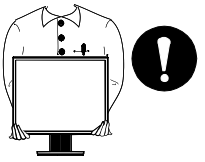
Follow local regulation or laws for safe disposal.

The backlight of the LCD panel contains mercury.

⚠ CAUTION

Handle with care when carrying the unit.
Disconnect the power cord and cables when moving the unit. Moving the unit with the cord attached is dangerous. It may result in injury.

When handling the unit, grip the bottom of the unit firmly with both hands ensuring the panel faces outward before lifting.
Dropping the unit may result in injury or equipment damage.



Do not block the ventilation slots on the cabinet.
- Do not place any objects on the ventilation slots.
- Do not install the unit in a closed space.
- Do not use the unit laid down or upside down.

Blocking the ventilation slots prevents proper airflow and may result in fire, electric shock, or equipment damage.

Do not touch the plug with wet hands.
Doing so may result in electrical shock.

Use an easily accessible power outlet.
This will ensure that you can disconnect the power quickly in case of a problem.

Periodically clean the area around the plug.
Dust, water, or oil on the plug may result in fire.

Unplug the unit before cleaning it.
Cleaning the unit while it is plugged into a power outlet may result in electric shock.

If you plan to leave the unit unused for an extended period, disconnect the power cord from the wall socket after turning off the power switch for the safety and the power conservation.

LCD Panel

In order to suppress the luminosity change by long-term use and to maintain the stable luminosity, use of a monitor in lower brightness is recommended.

The LCD panel is manufactured using high-precision technology. However, note that the appearance of any missing pixels or lit pixels does not indicate damage to the LCD monitor.
Percentage of effective pixels: 99.9994% or higher.

The backlight of the LCD panel has a fixed life span. When the screen becomes dark or begins to flicker, please contact your dealer.

Do not press on the panel or edge of the frame strongly, as this may result in damage to the screen. There will be prints left on the screen if the pressed image is dark or black. If pressure is repeatedly applied to the screen, it may deteriorate or damage your LCD panel. Leave the screen white to decrease the prints.

Do not scratch or press on the panel with any sharp objects, such as a pencil or pen as this may result in damage to the panel. Do not attempt to brush with tissues as this may scratch the LCD panel.

When the monitor is cold and brought into a room or the room temperature goes up quickly, dew condensation may occur inside and outside the monitor. In that case, do not turn the monitor on and wait until dew condensation disappears, otherwise it may cause damage to the monitor.

To use the monitor comfortably

An excessively dark or bright screen may affect your eyes. Adjust the brightness of the monitor according to the environmental conditions.

Staring at the monitor for a long time tires your eyes. Take a 10-minute rest every hour.

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Chapter 1 Features and Overview

Thank you very much for choosing an EIZO color LCD monitor.

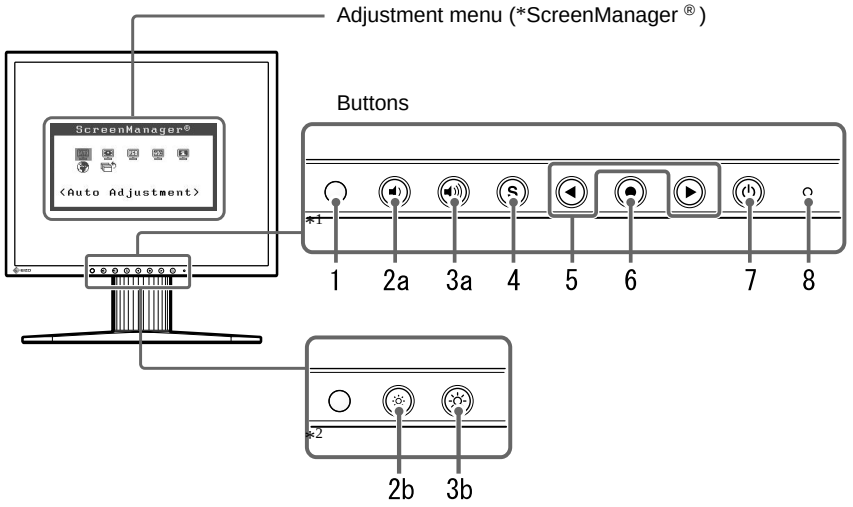
1-1 Features

- Dual-input compliant (DVI-D and D-sub mini 15-pin connectors)
- DVI digital input (TMDS) compliant
- Horizontal scan frequency: Analog: 24.8 - 80 kHz, Digital: 31 - 64 kHz
- Vertical scan frequency: Analog: 50 - 75 Hz
  Digital: 59 - 61 Hz (VGA text: 69 - 71 Hz)
  Resolution: 1280 dots × 1024 lines
- Stereo speakers*1
- BrightRegulator function incorporated
- FineContrast mode to allow the best mode for screen display
- Ultra slim bezel

NOTE

- The stand of the unit can be replaced with an arm or another stand. (Refer to "5-1 Attaching an Arm" on page 22.)

1-2 Buttons and Indicators



1. Sensor (BrightRegulator)
2a. Volume control button [turn down]*1
2b. Brightness control button [turn down]*2
3a. Volume control button [turn up]*1
3b. Brightness control button [turn up]*2
4. Input signal selection button
5. Control buttons (Left, Right)
6. Enter button
7. Power button
8. Power indicator

Indicator status	Operation status
Blue	The screen is displayed
Orange	Power saving
Off	Power off

* ScreenManager ® is an EIZO's nickname of the Adjustment menu.

NOTE

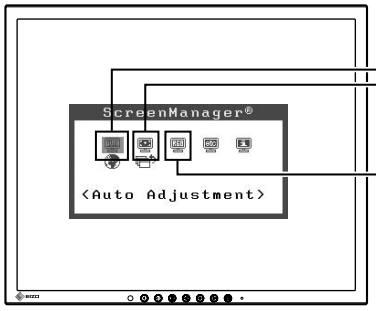
- When "Off Timer" set, the power indicator blinks 15 minutes before the set time. (Refer to "To set monitor power-off time" on page 16.)

*1 Speaker applied model

*2 Speaker non-applied model

1-3 Functions and Basic Operation

To adjust the screen and color



Adjustment menu (Refer to page 9 for operation)
(for analog signal input only)

1 Screen Adjustment (Automatic Adjustment) — Page 11

- [Screen] to adjust flickering and position ..... see page 11
- [Range] to adjust color gradation automatically ..... see page 13

Adjustment menu (Refer to page 9 for operation)

Color Adjustment — Page 14

Advanced Adjustment [Adjustment menu]

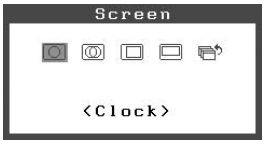
- "Brightness," "Temperature," and "Gain" can be set for each mode (Custom/sRGB/Text). Settable functions vary with the display mode.

Resuming the default settings

- Reset color adjustment [Reset] ..... see page 18

Adjustment menu (Refer to page 9 for operation)
(for analog signal input only)

2 Screen Adjustment (Advanced Adjustment) [Adjustment menu] — Page 11



- [Clock] to remove vertical bars ..... see page 12
- [Phase] to remove horizontal flickering and blur/distortion ..... see page 12
- [Position] to correct screen position
  [Hor. Position] ..... see page 12
  [Ver. Position] ..... see page 12

Shortcut button operation

Brightness Adjustment*1 — Page 15

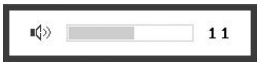
Press ◀ or ▶ to adjust brightness.

Brightness Adjustment*2 — Page 15

Press ☼ or ☼ to adjust brightness.

Volume Adjustment*1

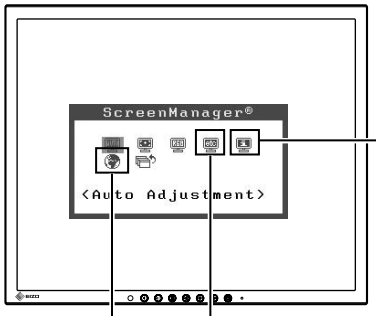
Press 🔉 or 🔊 to adjust volume.



*1 :Speaker applied model

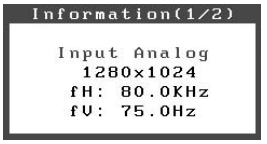
*2 :Speaker non-applied model

To make useful settings/adjustments



● **Adjustment menu (Refer to below for operation)**

Information Page 18



- [Information] to check displayed input signals, monitor information, usage time, etc.

● **Adjustment menu (Refer to below for operation)**

Language Page 18

- [Information] to check settings, usage time, etc.

- [Language] to select Adjustment menu language.

Set the off timer
- [Off Timer] to set the monitor power off time ..... see page 16

Adjustment menu settings
- [Menu Position] to change Adjustment menu settings ..... see page 17

Power Indicator Setting
- [Power Indicator Setting] to turn off the indicator while the screen is displayed ..... see page 18

BrightRegulator setting
- [BrightRegulator] to set Enable/ Disable of BrightRegulator ..... see page 18

Resume the factory default settings
- [Reset] to reset all settings ..... see page 18

EIZO Logo Display Setting Page 16
- [EIZO Logo Appearing Function] to display or not to display the EIZO logo

Locking Adjustment Page 17
- [Adjustment Lock] to lock operation of the monitor

Connecting Cables Page 19
- Connecting Two PCs to the Monitor

Basic operation of Adjustment menu

[Displaying Adjustment menu and selecting function]

(1) Press ●. The main menu appears.
(2) Select a function with ◀ or ▶, and press ●. The sub menu appears.
(3) Select a function with ◀ or ▶, and press ●. The adjustment/setting menu appears.
(4) Adjust the selected item with ◀ or ▶, and press ●. The setting is saved.

[Exiting Adjustment menu]

(1) Choose <Return> from the sub menu and press ●.
(2) Choose <Exit> from the main menu and press ●.

NOTE

• The Adjustment menu can also be exited by pressing ● twice quickly.

Chapter 2 Settings and Adjustments

2-1 Utility Disk

An “EIZO LCD Utility Disk” (CD-ROM) is supplied with the monitor. The following table shows the disk contents and the overview of the application software programs.

• Disk contents and software overview

The disk includes a monitor information file, application software programs for adjustment, and User’s Manual. Refer to “readme.txt” or the “Readme” file on the disk for software startup procedures or file access procedures.

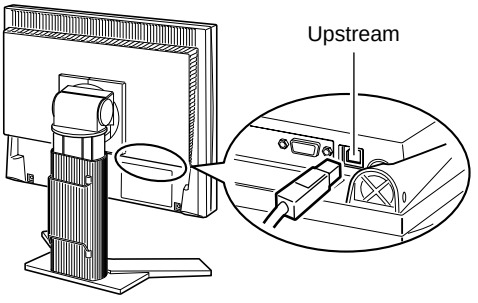
Item	Overview	For Windows	For Macintosh
A “readme.txt” or “Readme” file		○	○
Monitor information file (INF file)	Available for setting the best resolution and refresh rate for the monitor.	○	–
Color Profiles (ICC Profiles)	Color profiles	○	○
Screen Adjustment Program	Available for easy adjustments of the monitor screen following adjustment patterns and procedures on the screen.	○	○
ScreenManager Pro for LCD (for Windows) application software (USB model of S1721/S1731/S1921/S1931)	A utility software program to control monitor adjustments from a PC using its mouse and keyboard. (A PC must be connected to the monitor with the supplied USB cable.) Refer to the description later.	○	–
User’s Manual of this monitor (PDF file), Specifications Sheet (PDF file)			

• To use ScreenManager Pro for LCD (USB model of S1721/S1731/S1921/S1931)

For the installation and use of ScreenManager Pro for LCD, refer to its User’s Manual on the disk.
To adjust the monitor using ScreenManager Pro for LCD, connect a PC to the monitor with the supplied USB cable.

[Connection]

(1) Connect the USB port (downstream) of a USB compatible PC (or other USB hub) and the monitor’s USB port (upstream) with the supplied USB cable.
(2) The USB function is set up automatically upon connection of the USB cable.



2-2 Screen Adjustment

Digital Input

When digital signals are input, images are displayed correctly based on the preset data of the monitor.

Attention
- Wait 20 minutes or more from monitor power on before starting adjustments.

Analog Input

The monitor screen adjustment is used to suppress flickering of the screen or adjust screen position and screen size correctly according to the PC to be used. To use the monitor comfortably, adjust the screen when the monitor is set up for the first time or when the settings of the PC in use are updated.

NOTE
- Use “Screen Adjustment Program” on the supplied EIZO LCD Utility Disk.

The auto-adjustment function works in the following cases:
- **When a signal is input into the monitor for the first time**
- **When a signal is input into the monitor for the first time after the resolution or refresh rate of input signals is changed**

[Adjustment Procedure]

Automatic Adjustment

Attention
- This function works correctly when an image is fully displayed over the Windows or Macintosh display area. It does not work properly when an image is displayed only on a part of the screen (DOS prompt window, for example) or when a black background (wallpaper, etc.) is in use.
- This function does not work correctly with some graphics boards.
- “Auto in Progress” appears on the screen during auto adjustment.

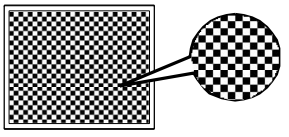
1 To adjust screen automatically [Screen]

(1) Choose <Screen> from the <Auto Adjustment> menu, and press ●.
(2) Choose <Execute>, and Press ●.
(3) Flickering, screen position, and screen size are corrected by the auto-adjustment function.

If satisfactory adjustment cannot be obtained with the auto-adjustment function, perform the adjustment following the procedure below. When the screen is displayed correctly, go to step 4 “Range Adjustment”.

Advanced Adjustment

NOTE
- For how to start the Screen Adjustment Program, refer to “readme.txt” or the “Readme” file. When you are using a Windows PC, you can run the program directly from the start menu of the disk.
- If no adjustment program is available for your PC, display a checkerboard pattern on the screen (see below) and go to the following steps.



2 Run the Screen Adjustment Program.

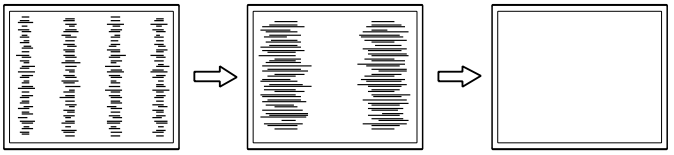
Load the EIZO LCD Utility Disk on the PC, and start the Screen Adjustment Program compatible with the PC in use.
After the program starts up, perform the adjustment in step 3 following the instructions of the program.

3 Perform advanced adjustments for the following using the <Screen> menu of the Adjustment menu.

- **To eliminate vertical bars [Clock]**

  (1) Choose <Clock> from the <Screen> menu, and press ●.
  The <Clock> menu appears.

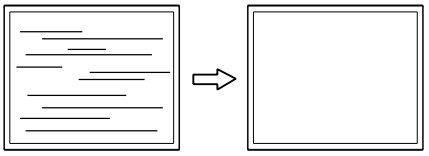
  (2) Adjust the clock with ◀ or ▶, and press ●.
  The adjustment is completed.



- **To remove flickering or blurring [Phase]**

  (1) Choose <Phase> from the <Screen> menu, and press ●.
  The <Phase> menu appears.

  (2) Adjust the phase with ◀ or ▶, and press ●.
  The adjustment is completed.

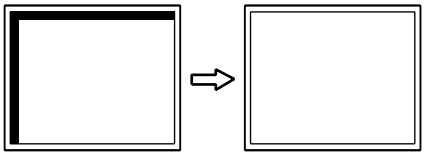


- **To correct screen position**
  [Horizontal Position], [Vertical Position]

  Since the number of pixels and the pixel positions are fixed on the LCD monitor, only one position is provided to display images correctly. The position adjustment is made to shift an image to the correct position.

  (1) Choose <Hor. Position> and or <Ver. Position> from the <Screen> menu, and press ●.
  The <Hor. Position> or <Ver. Position> menu appears.

  (2) Adjust the position with ◀ or ▶ to display the image properly in the display area of the monitor.



NOTE

- Press the control button slowly so as not to miss the adjustment point.
- When blurring, flickering or bars appear on the screen after adjustment, proceed to [Phase] to remove flickering or blurring.

Attention

- Flickering or blurring may not be eliminated depending on your PC or graphics board.

NOTE

- When vertical bars appear on the screen after adjustment, go back to "To eliminate vertical bars [Clock]." (Clock → Phase → Position)

4 Adjust the signal output range

- **To adjust color gradation automatically [Range Adjustment]**

  Every color gradation (0 to 255) can be displayed by adjusting the signal output level.

  (1) Choose <Range> from the <Auto Adjustment> menu, and press ⦿.
  (2) Choose <Execute>, and press ⦿.
  (3) Color gradation is adjusted correctly by the auto-adjustment function.

  The output range is adjusted automatically to display images with the maximum color gradation.

All the adjustments using the “Screen Adjustment Program” are completed.

2-3 Color Adjustment

Simple adjustment [FineContrast mode]

This function allows you to select the best display mode for monitor brightness, etc.

(1) Choose <Color Mode> from the <Color> menu.

(2) Choose [Custom], [sRGB] or [Text] with ◀ or ▶, and press ●.

● FineContrast Mode

An appropriate display mode is selectable out of three modes.

Mode	Purpose
Custom	Available for making desired setting.
sRGB	Suitable for color matching with sRGB compatible peripherals.
Text	Suitable for displaying texts for word processing or spreadsheets.

Advanced Adjustments [Adjustment menu]

Independent setting and saving of color adjustment are available for each FineContrast mode.

• To select an appropriate mode for images

✓: Adjustment/setting available −: Factory setting

Icon	Function	FineContrast mode		
		Custom	sRGB	Text
☼	Brightness	✓	✓	✓
K	Temperature	✓	−	✓
◑	Gain	✓	−	−
↺	Reset	✓	−	✓

Menu	Description	Adjustment range
Brightness ☼	To adjust the full screen brightness as desired	0 to 100%
	NOTE • You can also adjust the brightness by pressing ◀ or ▶*1. • You can also adjust the brightness by pressing ☼ or ☼*2.	
Temperature K	To select a color temperature	"OFF," "5000K," "6500K," or "9300K"
	NOTE • The values shown in the Kelvin (K) are available only as reference. • While color temperature is adjusted, <Gain> is adjusted automatically according to the color temperature. • When <Gain> is set, color temperature setting is disabled, and is set to "OFF".	
Gain ◑	To adjust red, green, and blue to a desired color tone respectively	0 to 100% Adjust the respective brightness of red/green/blue to make a desired color tone. Display an image with white or gray background for adjustment.
	NOTE • Values shown in percentage are available only as reference. • The <Temperature> setting invalidates this setting. The <Gain> setting varies with color temperature.	
Reset ↺	To reset the color settings of the selected FineContrast mode to the default settings.	

• To set/adjust color

(1) Choose <Color> from the Adjustment menu, and press ●.
(2) Select a desired function from the <Color> menu, and press ●.
The selected function menu appears.
(3) Adjust the selected item with ◀ or ▶, and press ●.
The adjustment is completed.

Attention

- Perform [Range Adjustment] before starting color adjustment for analog input signals.
Refer to "To adjust color gradation automatically" on page 13.
- The FineContrast mode cannot be changed during color adjustment. Set the FineContrast mode in advance on the color mode screen.
- Wait 20 minutes or more from monitor power on before starting the color adjustment.
- Choose [Reset] from the Color menu to revert to the default setting (factory setting) of the color tone of the FineContrast mode selected.
- The same image may be seen in different colors on multiple monitors due to their monitor-specific characteristics. Make fine color adjustment visually when matching colors on multiple monitors.
- Adjustable functions vary depending on the type of FineContrast mode.

*1 :Speaker applied model
*2 :Speaker non-applied model

2-4 Off Timer Settings

• To set monitor power-off time [Off Timer]

This function allows the monitor to automatically turn off after a specified time has passed. This function serves to reduce afterimages caused when the monitor screen is left on for a long time period without use. Use this function when an image is displayed throughout the day.

[Off Timer System]

Timer	Monitor	Power Indicator
ON time (1H - 23H)	Operating	Blue
Last 15 min. in “ON time”	Advance Notice*1	Flashing blue
“ON time” expired	Power Off	Off

*1 When ⏻ is pressed during the advance notice period, the monitor continues to operate for additional 90 minutes. Extension of operation time can be set without limitation.

[Procedure]

(1) Choose <Others> from the Adjustment menu, and press ●.
(2) Choose <Off Timer> from the <Others> menu, and press ●.
The <Off Timer> menu appears.
(3) Select “Enable” with ◀ or ▶, and press ●.
(4) Set a monitor ON time (1 to 23 hours) with ◀ or ▶, and press ●.
The Off Timer setting is completed.

[Resumption Procedure]

Press ⏻.

Attention

• The Off Timer functions even in the power saving mode, but the advance notice is disabled. The monitor power is turned off without advance notice.

2-5 Power Indicator/EIZO Logo Display Setting

• To turn off the Power indicator while a screen is displayed [Power Indicator Setting]

This function enables to turn off the Power indicator (blue) while a screen is displayed.

(1) Choose <Others> from the Adjustment menu, and press ●.
(2) Choose <Power Indicator> from the <Others> menu, and press ●.
The <Power Indicator> menu appears.
(3) Select “Disable” with ◀ or ▶, and press ●.
The Power Indicator setting is completed.

NOTE

• The Power indicator lights up at power on with the default setting.

• To display EIZO logo [EIZO Logo Hiding Function]

When this unit is turned on, the EIZO logo appears at the center of the screen. Selection to display or not to display the logo is available with this function.

[Procedure]

(1) Press ⏻ to power off the unit.
(2) Press ⏻ again while pressing ●.
The EIZO logo does not appear on the screen.

[Resetting]

(1) Press ⏻ to power off the unit.
(2) Press ⏻ again while pressing ●.
The logo appears again.

NOTE

• The logo appears with the default setting.

2-6 Locking Buttons

● To lock operation [Adjustment Lock]

This function locks the buttons to retain the status adjusted or set once.

Buttons that can be locked	• ● (Enter button) Adjustments/settings using Adjustment menu
Buttons that cannot be locked	• ⏻ (Power button) • S (Input signal selection button) • 🔈 🔊 (Volume control button) or ◀ ▶ (Brightness control button)*1 • 🔅 🔆 (Brightness control button)*2

[Procedure]

(1) Press ⏻ to turn off the unit.

(2) Press ⏻ again while pressing S.
The screen is displayed with the adjustment lock.

[Unlocking]

(1) Press ⏻ to turn off the unit.

(2) Press ⏻ again while pressing S.
The screen is displayed with the adjustment lock released.

2-7 Setting Adjustment menu Display

● To update menu settings [Menu Position]

Menu Position

Adjust the menu position using the following procedure.

(1) Choose <Others> from the Adjustment menu, and press ●.

(2) Choose ↕ <Menu Position> from the <Others> menu, and press ●.
The <Menu Position> menu appears.

(3) Select a menu position with ◀ or ▶, and press ●.
The menu position setting is completed.

NOTE

• Five positions (center/ upper right/ lower right/ upper left/ lower left) can be selected.

*1 :Speaker applied model

*2 :Speaker non-applied model

2-8 Viewing Information/Setting Language

• To check viewing information, usage time, etc.

[Information]

This function allows you to check viewing information, model name, serial number, and usage time of the monitor.

(1) Choose <Information> from the Adjustment menu, and press ●.
The <Information> menu appears.

(2) Then, press ● to check viewing information, etc.

NOTE

- The usage time is not always "0" when you purchase the monitor due to factory inspection.

• To set a language to be displayed [Language]

Select the Adjustment menu language.

Selectable languages

English/German/French/Spanish/Italian/Swedish/Mandarin/Cantonese/Japanese

(1) Choose <Language> menu from the Adjustment menu, and press ●.
The <Language> menu appears.

(2) Select a language with ◀ or ▶, and press ●.
The language setting is completed.

2-9 Setting BrightRegulator

• [BrightRegulator] to set "Enable" or "Disable" for BrightRegulator.

(1) Choose <Others> from the Adjustment menu, and press ●.

(2) Choose < BrightRegulator> from the <Others> menu, and press ●.
The BrightRegulator setting window appears.

(3) Select "Enable" or "Disable" with ◀ or ▶, and press ●.
The BrightRegulator setting is completed.

NOTE

- Be careful not to block the sensor on the lower side of the monitor when using the BrightRegulator function.

2-10 Resumption of Default Setting

• To reset color adjustment [Reset]

Resume the default settings (factory settings) for color adjustment.

(1) Choose <Color> from the Adjustment menu, and press ●.

(2) Choose <Reset> from the <Color> menu, and press ●.
The <Reset> menu appears.

(3) Select <Reset> with ◀ or ▶, and press ●.
The reset operation is completed.

• To reset all settings [Reset]

Reset all adjustments/settings to the factory default settings.

(1) Choose <Others> from the Adjustment menu, and press ●.

(2) Choose <Reset> from the <Others> menu, and press ●.
The <Reset> menu appears.

(3) Select <Reset> with ◀ or ▶, and press ●.
The reset operation is completed.

NOTE

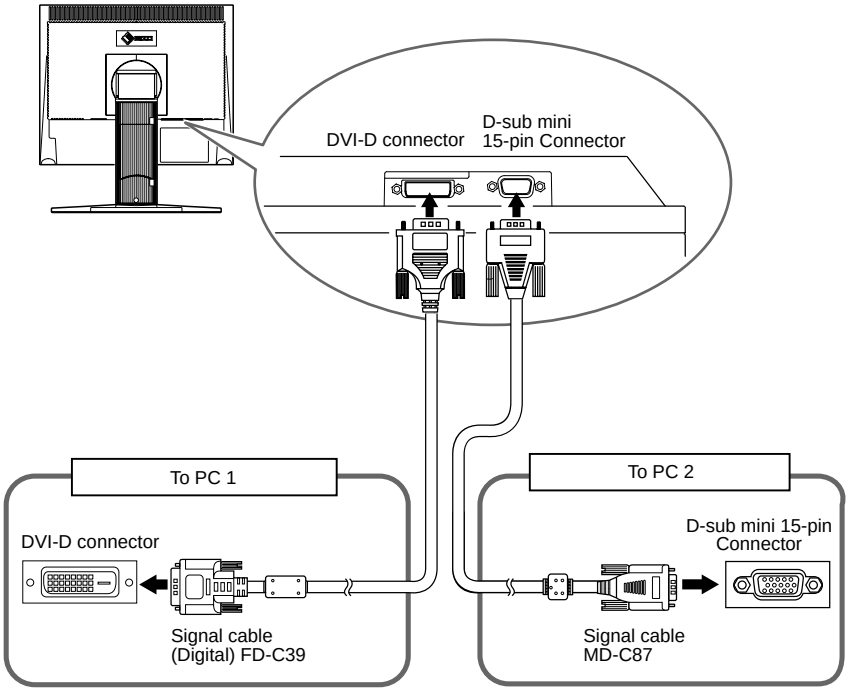
- For default settings, refer to "Main default settings (factory settings)" in Specifications Sheet.

Chapter 3 Connecting Cables

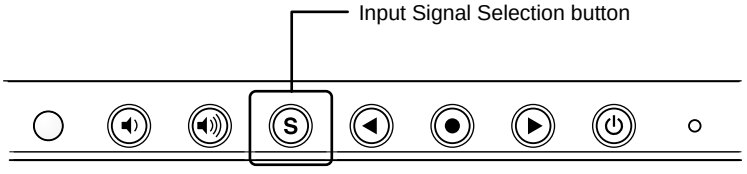
3-1 Connecting Two PCs to the Monitor

Two PCs can be connected to the monitor through the DVI-D and the D-Sub mini 15 pin connector on the back of the monitor.

Connection examples



Selecting input signal



Switch the input signal with (S). Input signal switches each time (S) is pressed. When the signal is switched, the active signal type (Analog or Digital) appears at the top right corner of the screen for two seconds.

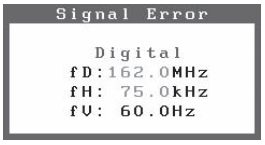
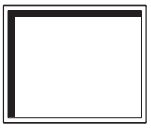
NOTE

- The monitor recognizes the connector through which PC signals are input. When either PC is turned off or enters the power-saving mode, the monitor automatically displays signals of another PC.

Chapter 4 Troubleshooting

If a problem still remains after applying the suggested remedies, contact your local dealer.

- No-picture problems → See No.1 - No.2.
- Imaging problems → See No.3 - No.11.
- Other problems → See No.12.

Problems	Possible cause and remedy
1. No picture • Power indicator does not light.	• Check whether the power cord is connected correctly. If the problem persists, turn off the monitor, and then turn it on again a few minutes later.
• Power indicator is lighting blue. • Power indicator is lighting orange.	• Check Gain setting. (see page 15) • Operate the mouse or keyboard.
2. The message below appears. • This message appears when no signal is input. 	This message appears when the signal is not input correctly even when the monitor functions properly. • The message shown left may appear, because some PCs do not output the signal soon after power-on. • Check whether the PC is turned on. • Check whether the signal cable is connected properly.
• The message below shows that the input signal is out of the specified frequency range. (Such signal frequency is displayed in red.) Example: 	• Select an appropriate display mode using the graphics board's utility software. Refer to the manual of the graphics board for details.
3. Display position is incorrect. 	• Adjust image position so that it is displayed properly within the display area using the <Hor.Position> and <Ver.Position> adjustment. • If the problem persists, use the graphics board's utility software if available to change the display position.
4. Vertical bars appear on the screen or a part of the image is flickering. 	• Adjust using <Clock> from <Screen> menu at the Adjustment menu.
5. Whole screen is flickering or blurring. 	• Adjust using <Phase>.
6. The screen is too bright or too dark.	• Adjust <Brightness>. (The LCD monitor backlight has a fixed life span. When the screen becomes dark or begins to flicker, contact your local dealer.)
7. Afterimages appear.	• Use a screen saver or off timer function for a long-time image display. • Afterimages are particular to LCD monitors. Avoid displaying the same image for a long time.

Problems	Possible cause and remedy
8. Green/red/blue/white dots or defective dots remain on the screen.	• This is due to LCD panel characteristics and is not a failure.
9. Interference patterns or fingerprints remain on the screen.	• Leave the monitor with a white screen. The symptom may disappear.
10. The Main menu of Adjustment menu does not start.	• Check for Adjustment Lock function.
11. The auto-adjustment function does not work correctly.	• This function does not work when digital signal is input. • This function works correctly when an image is fully displayed over the Windows or Macintosh display area. It does not work properly when an image is displayed only on a part of the screen (DOS prompt window, for example) or when a black background (wallpaper, etc.) is in use. This function does not work correctly with some graphics boards.
12. No audio output*1	• Check whether <Volume> is set to “0”. • Check the settings of the PC and the audio playback software.

*1: Speaker applied model.

Chapter 5 Reference

5-1 Attaching an Arm (Option)

The stand can be removed and replaced with an arm (or another stand) to be attached to the monitor. Use an arm or stand of EIZO option.

[Attaching]

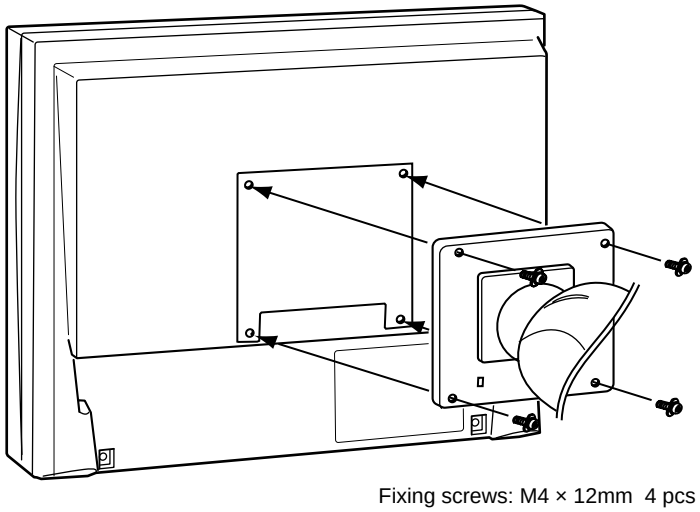
1 **Lay the LCD monitor on a soft cloth spread over on a stable surface with the panel surface facing down.**

2 **Remove the stand. (Prepare a screwdriver.)**

Unscrew the four screws securing the unit and the stand with the screwdriver.

3 **Attach the monitor to the arm or stand.**

Secure the monitor to the arm or stand using the screws specified in the user's manual of the arm or stand.



Fixing screws: M4 × 12mm 4 pcs

Attention

- When attaching an arm or stand, follow the instructions of their user's manual.
- When using another manufacturer's arm or stand, confirm the following in advance and select one conforming to the VESA standard. Use the M4 × 12 screws supplied with this monitor.
  - Clearance between the screw holes: 100 mm × 100 mm
  - Thickness of plate: 2.6 mm
  - Strong enough to support weight of the monitor unit (except the stand) and attachments such as cables.
- Attach an arm or stand to meet the following tilt angles of the monitor.
  - Up 60 degrees, down 45 degrees
  - Up 45 degrees, down 45 degrees (vertical display, 90 degrees clockwise)
- Connect the cables after attaching an arm.
- If you need to remove the EZ-UP stand, turn the panel on the monitor to the left and right a little to appear the four screws positioned under the stand. Then unscrew the four screws.

5-2 Power Saving Mode

Analog input

This monitor complies with the VESA DPMS standard.

[Power Saving System]

PC		Monitor	Power Indicator
Operating		Operating	Blue
Power saving	STAND-BY SUSPENDED OFF	Power saving	Orange

[Resumption Procedure]

(1) Operate the mouse or keyboard to resume the normal screen.

Digital input

This monitor complies with the DVI DMPM standard.

[Power Saving System]

The monitor enters the power saving mode in fi ve seconds in connection with the PC setting.

PC	Monitor	PowerIndicator
Operating	Operating	Blue
Powersaving	Power saving	Orange

[Resumption Procedure]

• Operate the mouse or keyboard to resume the normal screen from the PC's power saving mode.

5-3 Cleaning

Clean the monitor periodically to keep the monitor clean and extend its life.

Cabinet

Clean the cabinet with a soft cloth dampened with little mild detergent.

LCD Panel

- Clean the LCD panel with a soft cloth such as cotton cloth or lens cleaning paper.
- Remove persistent stains gently with a cloth dampened with little water, and then clean the LCD panel again with a dry cloth for better finishing.

Attention

- Never use any solvents or chemicals, such as thinner, benzene, wax, alcohol, and abrasive cleaner, which may damage the cabinet or LCD panel.

NOTE

- Optional ScreenCleaner is recommended for cleaning the panel surface.

5-4 Glossary

Clock

The analog input monitor needs to reproduce a clock of the same frequency as the dot clock of the graphics system in use, when the analog input signal is converted to a digital signal for image display.
This is called clock adjustment. If the clock pulse is not set correctly, some vertical bars appear on the screen.

DVI (Digital Visual Interface)

DVI is a digital interface standard. DVI allows direct transmission of the PC's digital data without loss.
This adopts the TMDS transmission system and DVI connectors. There are two types of DVI connectors. One is a DVI-D connector for digital signal input only. The other is a DVI-I connector for both digital and analog signal inputs.

DVI DMPM (DVI Digital Monitor Power Management)

DVI DMPM is a digital interface power-saving function. The "Monitor ON (operating mode)" and "Active Off (power-saving mode)" are indispensable for DVI DMPM as the monitor's power mode.

Gain

This is used to adjust each color parameter for red, green and blue. An LCD monitor displays the color by the light passing through the panel color filter. Red, green and blue are the three primary colors. All the colors on the screen are displayed by combining these three colors. The color tone can be changed by adjusting the light intensity (volume) passing through each color's filter.

Phase

Phase means the sampling timing to convert the analog input signal to a digital signal. Phase adjustment is made to adjust the timing. It is recommended that phase adjustment be made after the clock is adjusted correctly.

Resolution

The LCD panel consists of numerous pixels of specified size, which are illuminated to form images. The monitor consists of 1280 horizontal pixels and 1024 vertical pixels. At a resolution of 1280 × 1024, all pixels are illuminated as a full screen (1:1).

sRGB (Standard RGB)

International standard for "color reproduction and color space" among peripheral devices (such as monitors, printers, digital cameras, scanners). sRGB allows Internet users to closely match colors as a simple color matching means for the Internet use.

Temperature

Color temperature is a method to measure the white color tone, generally indicated in degrees Kelvin. The screen becomes reddish at a low temperature, and bluish at a high temperature, like the flame temperature.
5000K: Slightly reddish white
6500K: Warm white like paper white
9300K: Slightly bluish white

TMDS (Transition Minimized Differential Signaling)

A signal transmission system for digital interface.

VESA DPMS (Video Electronics Standards Association - Display Power Management Signaling)

VESA provides the standardization of signals from PC (graphics board) for power saving of PC monitors. DPMS defines the signal status between PC and monitor.

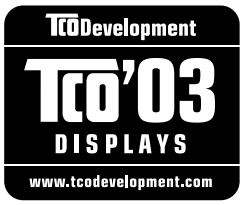
5-5 Preset Timing

The following table shows factory preset video timing.

Mode	Dot clock		Frequency Horizontal: kHz Vertical: Hz	Polarity
VGA 640×480@60Hz	25.2 MHz	Horizontal	31.47	Negative
		Vertical	59.94	Negative
VGA 720×400@70Hz	28.3 MHz	Horizontal	31.47	Negative
		Vertical	70.09	Positive
Macintosh 640×480@67Hz	30.2 MHz	Horizontal	35	Negative
		Vertical	66.67	Negative
Macintosh 832×624@75Hz	57.3 MHz	Horizontal	49.73	Negative
		Vertical	74.55	Negative
Macintosh 1152×870@75Hz	100.0 MHz	Horizontal	68.68	Negative
		Vertical	75.06	Negative
Macintosh 1280×960@75Hz	126.2 MHz	Horizontal	74.76	Positive
		Vertical	74.76	Positive
PC-9801 640×400@56Hz	21.0MHz	Horizontal	24.83	Negative
		Vertical	56.42	Negative
PC-9821 640×400@70Hz	25.2 MHz	Horizontal	31.5	Negative
		Vertical	70.15	Negative
VESA 640×480@72Hz	31.5 MHz	Horizontal	37.86	Negative
		Vertical	72.81	Negative
VESA 640×480@75Hz	31.5 MHz	Horizontal	37.5	Negative
		Vertical	75	Negative
VESA 800×600@56Hz	36.0 MHz	Horizontal	35.16	Positive
		Vertical	56.25	Positive
VESA 800×600@60Hz	40.0 MHz	Horizontal	37.88	Positive
		Vertical	60.32	Positive
VESA 800×600@72Hz	50.0 MHz	Horizontal	48.08	Positive
		Vertical	72.19	Positive
VESA 800×600@75Hz	49.5 MHz	Horizontal	46.88	Positive
		Vertical	75	Positive
VESA 1024×768@60Hz	65.0 MHz	Horizontal	48.36	Negative
		Vertical	60	Negative
VESA 1024×768@70Hz	75.0 MHz	Horizontal	56.48	Negative
		Vertical	70.07	Negative
VESA 1024×768@75Hz	78.8 MHz	Horizontal	60.02	Positive
		Vertical	75.03	Positive
VESA 1152×864@75Hz	108.0 MHz	Horizontal	67.5	Positive
		Vertical	75	Positive
VESA 1280×960@60Hz	108.0 MHz	Horizontal	60	Positive
		Vertical	60	Positive
VESA 1280×1024@60Hz	108.0 MHz	Horizontal	63.98	Positive
		Vertical	60.02	Positive
VESA 1280×1024@75Hz	135.0 MHz	Horizontal	79.98	Positive
		Vertical	75.03	Positive

Attention

- Display position may be deviated depending on the PC connected, which may require screen adjustment using Adjustment menu.
- If a signal other than those listed in the table is input, adjust the screen using the Adjustment menu. However, screen display may still be incorrect even after the adjustment.
- When interlace signals are used, the screen cannot be displayed correctly even after screen adjustment using the Adjustment menu.



Congratulations!

The display you have just purchased carries the TCO'03 Displays label. This means that your display is designed, manufactured and tested according to some of the strictest quality and environmental requirements in the world. This makes for a high performance product, designed with the user in focus that also minimizes the Impact on our natural environment.

Some of the features of the TCO'03 Display requirements:

Ergonomics

- Good visual ergonomics and image quality in order to improve the working environment for the user and to reduce sight and strain problems. Important parameters are luminance, contrast, resolution, reflectance, colour rendition and image stability.

Energy

- Energy-saving mode after a certain time - beneficial both for the user and environment
- Electrical safety

Emissions

- Electromagnetic fields
- Noise emissions

Ecology

- The products must be prepared for recycling and the manufacturer must have a certified environmental management system such as EMAS or ISO 14000
- Restrictions on
    - chlorinated and brominated flame retardants and polymers
    - heavy metals such as cadmium, mercury and lead.

The requirements includes in this label have been developed by TCO Development in co-operation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user-friendly direction. Our labeling system with displays in 1992 and is now requested by users and IT-manufacturers all over the world.

For more information, please visit
www.tcodevelopment.com

For U.S.A. , Canada, etc. (rated 100-120 Vac) Only

FCC Declaration of Conformity

We, the Responsible Party	EIZO NANAO TECHNOLOGIES INC.
	5710 Warland Drive, Cypress, CA 90630
	Phone: (562) 431-5011
declare that the product	Trade name: EIZO
	Model: FlexScan S1701, S1721, S1731, S1901, S1911, S1921, S1931

is in conformity with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and receiver.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note

Use the attached specified cable below or EIZO signal cable with this monitor so as to keep interference within the limits of a Class B digital device.

- AC Cord
- Shielded Signal Cable (D-SUB mini 15 pin - D-SUB mini 15 pin, the enclosed signal cable)
- Stereo mini-jack cable (Speaker applied model)

Canadian Notice

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de le classe B est comforme à la norme NMB-003 du Canada.

Hinweise zur Auswahl des richtigen Schwenkarms für Ihren Monitor
Dieser Monitor ist für Bildschirmarbeitsplätze vorgesehen. Wenn nicht der zum Standardzubehör gehörige Schwenkarm verwendet wird, muss statt dessen ein geeigneter anderer Schwenkarm installiert werden. Bei der Auswahl des Schwenkarms sind die nachstehenden Hinweise zu berücksichtigen:

Der Standfuß muß den nachfolgenden Anforderungen entsprechen:

a) Der Standfuß muß eine ausreichende mechanische Stabilität zur Aufnahme des Gewichtes vom Bildschirmgerät und des spezifizierten Zubehörs besitzen. Das Gewicht des Bildschirmgerätes und des Zubehörs sind in der zugehörenden Bedienungsanleitung angegeben.

b) Die Befestigung des Standfusses muß derart erfolgen, daß die oberste Zeile der Bildschirmanzeige nicht höher als die Augenhöhe eines Benutzers in sitzender Position ist.

c) Im Fall eines stehenden Benutzers muß die Befestigung des Bildschirmgerätes derart erfolgen, daß die Höhe der Bildschirmmitte über dem Boden zwischen 135 – 150 cm beträgt.

d) Der Standfuß muß die Möglichkeit zur Neigung des Bildschirmgerätes besitzen (max. vorwärts: 5°, min. nach hinten ≥ 5°).

e) Der Standfuß muß die Möglichkeit zur Drehung des Bildschirmgerätes besitzen (max. ±180°). Der maximale Kraftaufwand dafür muß weniger als 100 N betragen.

f) Der Standfuß muß in der Stellung verharren, in die er manuell bewegt wurde.

g) Der Glanzgrad des Standfusses muß weniger als 20 Glanzeinheiten betragen (seidenmatt).

h) Der Standfuß mit Bildschirmgerät muß bei einer Neigung von bis zu 10° aus der normalen aufrechten Position kippsicher sein.

Hinweis zur Ergonomie :
Dieser Monitor erfüllt die Anforderungen an die Ergonomie nach EK1-ITB2000 mit dem Videosignal, 1280 × 1024 RGB analog, 0,7 Vp-p und mindestens 60,0 Hz Bildwiederholfrequenz, non interlaced. Weiterhin wird aus ergonomischen Gründen empfohlen, die Grundfarbe Blau nicht auf dunklem Untergrund zu verwenden (schlechte Erkennbarkeit, Augenbelastung bei zu geringem Zeichenkontrast.)

„Maschinenlärminformations-Verordnung 3. GPSGV:
Der höchste Schalldruckpegel beträgt 70 dB(A) oder weniger gemäss EN ISO 7779“

Recycle Auskunft
Die Rücknahme dieses Produktes nach Nutzungsende übernimmt EIZO in Deutschland zusammen mit dem Partner eds-r gmbh rucknahmesysteme. Dort werden die Geräte in ihre Bestandteile zerlegt, die dann der Wiederverwertung zugeführt werden. Um einen Abholtermin zu vereinbaren und die aktuellen Kosten zu erfahren, benutzen Sie bitte folgende Rufnummer: 02153-73 35 00. Weitere Informationen finden Sie auch unter der Internet-Adresse: http://www.eizo.de.

Recycling Information for customers in Switzerland:
All recycling information is placed in the SWICO's website.
http://www.swico.ch

Recycling-Information für Kunden in der Schweiz:
Alle Informationen zum Thema Recycling finden Sie auf der Homepage des Brancheverbandes SWICO.
http://www.swico.ch

Renseignements de recyclage pour les clients en Suisse:
Vous trouvez tous les renseignements pour le sujet de recyclage sur la page WEB de I'UNION DE BRAN CHE SWICO.
http://www.swico.ch

Recycling Information for customers in USA:
All recycling information is placed in the EIZO Nanao Technologies, Inc's website.
http://www.eizo.com

Återvinnings information för kunder i Sverige:
All information om återvinning finns på Eizo Europe AB:s hemsida:
http://www.eizo.se

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